

Esther Olajo

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SUMMARY

Driven junior Computer Science student with a strong foundation in full stack development, seeking a software engineering internship/Co-op for **winter/spring** 2025.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, C++, C, Java, PHP, MIPS Assembly

Frameworks and Libraries: Node.js, React, Express, HTML, CSS

Technologies: PostgreSQL, MongoDB, Mongoose, SQL, Azure Cloud Services, Git, JWT, bcrypt

OPEN SOURCE EXPERIENCE - github.com/esstar612

Magic Grid - Javascript, React, HTML

Jun 2024 - Present

- Implemented features highly requested by users, resulting in **increased user satisfaction**. I am currently the **second highest contributor** to Magic Grid a library with **3.1K stars and 246k Downloads**
- Led a team** to develop use-magic-grid, a react port enabling seamless integration of Magic Grid into React apps.
- Actively contribute to **issue resolution**, **code reviews**, and feature implementation.

PROJECT EXPERIENCE

Stock and Weather App

Jan 2024 - Present

Javascript, Typescript, MongoDB, Express, React, Node.js

- Designed and implemented a stock app that integrates **Marketdata API & Frankfurter API** to provide real-time market data and currency exchange rates.
- Created a custom news API** using data collected from **3 APIs (newsData.io, FoxNews, NewsAPI)**, leading to a 30% reduction in data fetching time compared to sending requests directly to the three APIs.
- Developed a weather feature that uses geolocation to deliver accurate weather forecasts (Openweather API).

Bored Web Application

Jan 2024 - May 2024

Javascript, Typescript, MongoDB, Express, React, Node.js

- Pitched the concept and **led the development of a web app** that suggests activities for users who are bored
- Established the user database and designed both backend and frontend components, including signup, login, home page, and user account page.
- Implemented user authentication** and session handling with JWT, and implemented bcrypt encryption to ensure data security
- Collaborated with a team** to build robust backend infrastructure and responsive frontend interfaces

Travercity Web Application

Aug 2023 - Dec 2023

Javascript, Html, CSS

- Conceived, designed and **developed** a web app that provides users with localized information about new cities or travel destinations.
- Developed a feature to aggregate local news** based on the user's travel destination using the NewsData.io API
- Collaborated with a team** to implement a travel log function, enabling users to share experiences and reviews; increasing user engagement.

EDUCATION

Aug 2022 - May 2026

Rensselaer Polytechnic Institute

- Dual Major: Computer Science & Information Technology and Web Sciences
- Minor: Cognitive Science

Relevant Coursework

Completed

- Data Structures, FOCS, Computer Organisation, Operating Systems, Web Sci-Systems Development, Principles of Software, Intro to Graphic Design

In Progress

- Intro to Algorithms, Intro to logic-based AI, Network Security and defence

AFFILIATIONS

Black Student Alliance - Events Manager, Former Freshman Rep

Oct 2022 - Present

- Organized and managed events, improving participation rates
- Developed strategies for freshman outreach, resulting in a significant increase in new member participation
- Coordinated collaborations with other organizations, enhancing community engagement.

CERTIFICATIONS AND LANGUAGES

- Certifications:** Oracle Cloud Infrastructure 2023 Certified Foundations Associate
- Languages:** English, French.